

ABSTRACT

An arrangement for determining a predicted health of a system that would result from an application of a proposed intervention to an existing system. The predicted health is determined by determining a set of modifications involved in the proposed intervention wherein each modification involves one or more components of the existing system. For each modification, a set of component information that pertains to the modification is obtained from a knowledge base. Each set of component information may specify inter-dependencies among the components involved in the modification. For each modification, it is determined whether the inter-dependencies specified in the component information are satisfied. The determination of whether the inter-dependencies are satisfied enables a determination of the predicted health of individual components of the system as well as the predicted health of the overall system.